

100

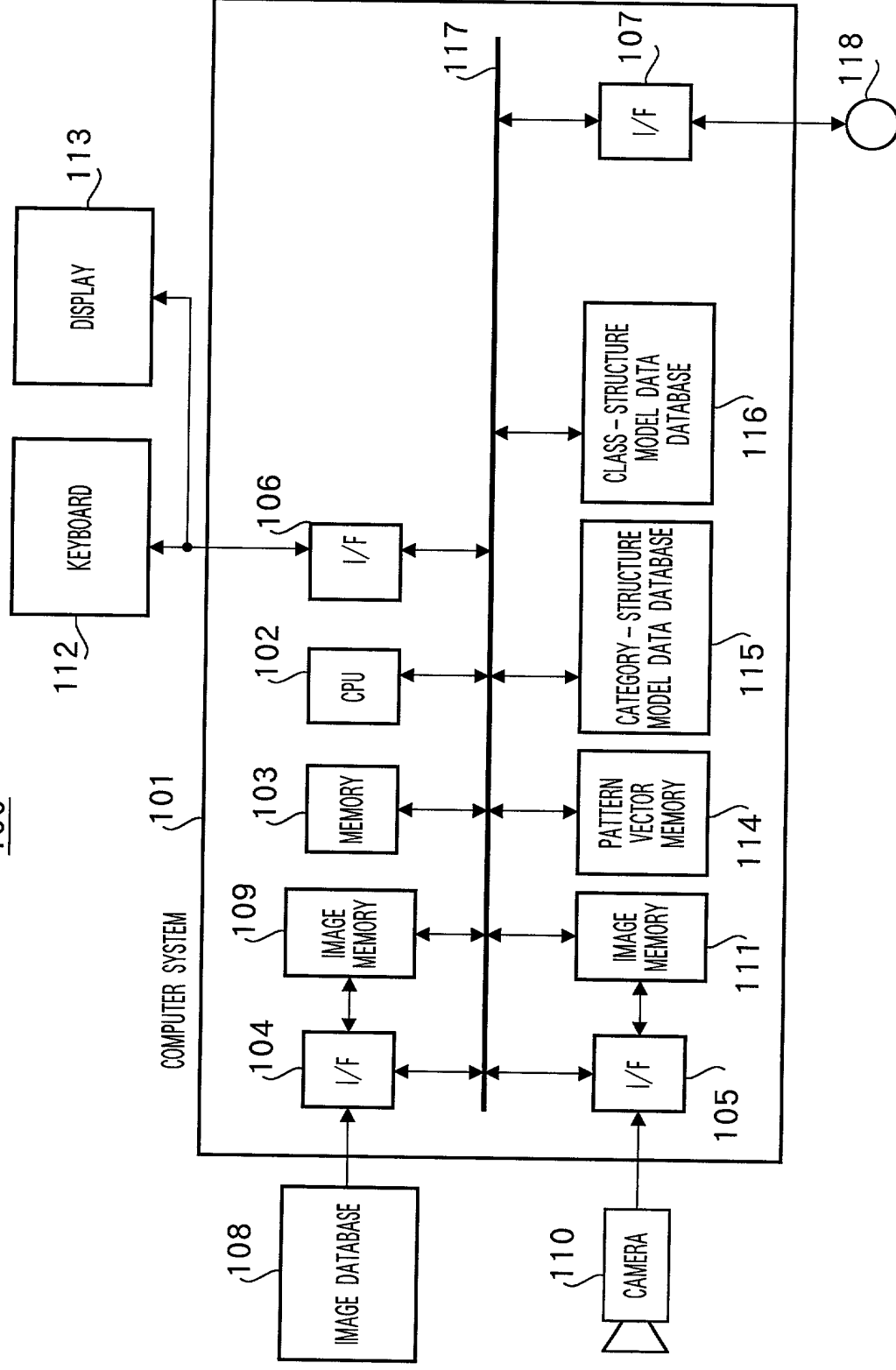


FIG. 1

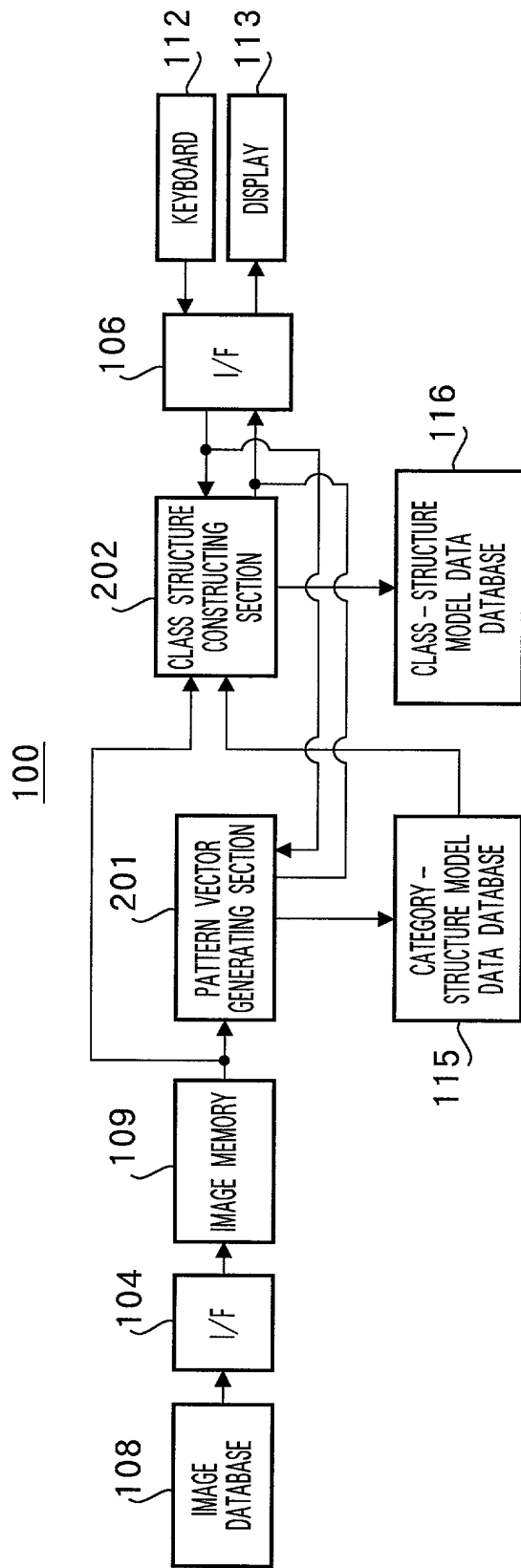


FIG. 2

115

401

402

CATEGORY	MODEL DATA
A	IMAGE a1,IMAGE a2
B	IMAGE b1,IMAGE b2
C	IMAGE c1,IMAGE c2
⋮	⋮

FIG. 3

501		401		502a		502		502b		402		503	
CLASS	CATEGORY	ITEM				MODEL DATA	REPRESENTATIVE VALUE						
		SHAPE	SIZE										
1	A	a	s		IMAGE a1,IMAGE a2	.....						
2	A	a	t		IMAGE a3, .....	.....						
3	A	a	u		IMAGE a4, .....	.....						
4	A	b	s		IMAGE a5, .....	.....						
5	A	b	t		IMAGE a6, .....	.....						
6	A	b	u		IMAGE a7, .....	.....						
7	B	a	s		IMAGE b1, .....	.....						
8	B	a	t		IMAGE b2, .....	.....						
9	B	a	u		IMAGE b3, .....	.....						
10	B	b	s		IMAGE b4, .....	.....						
.....							

FIG. 4

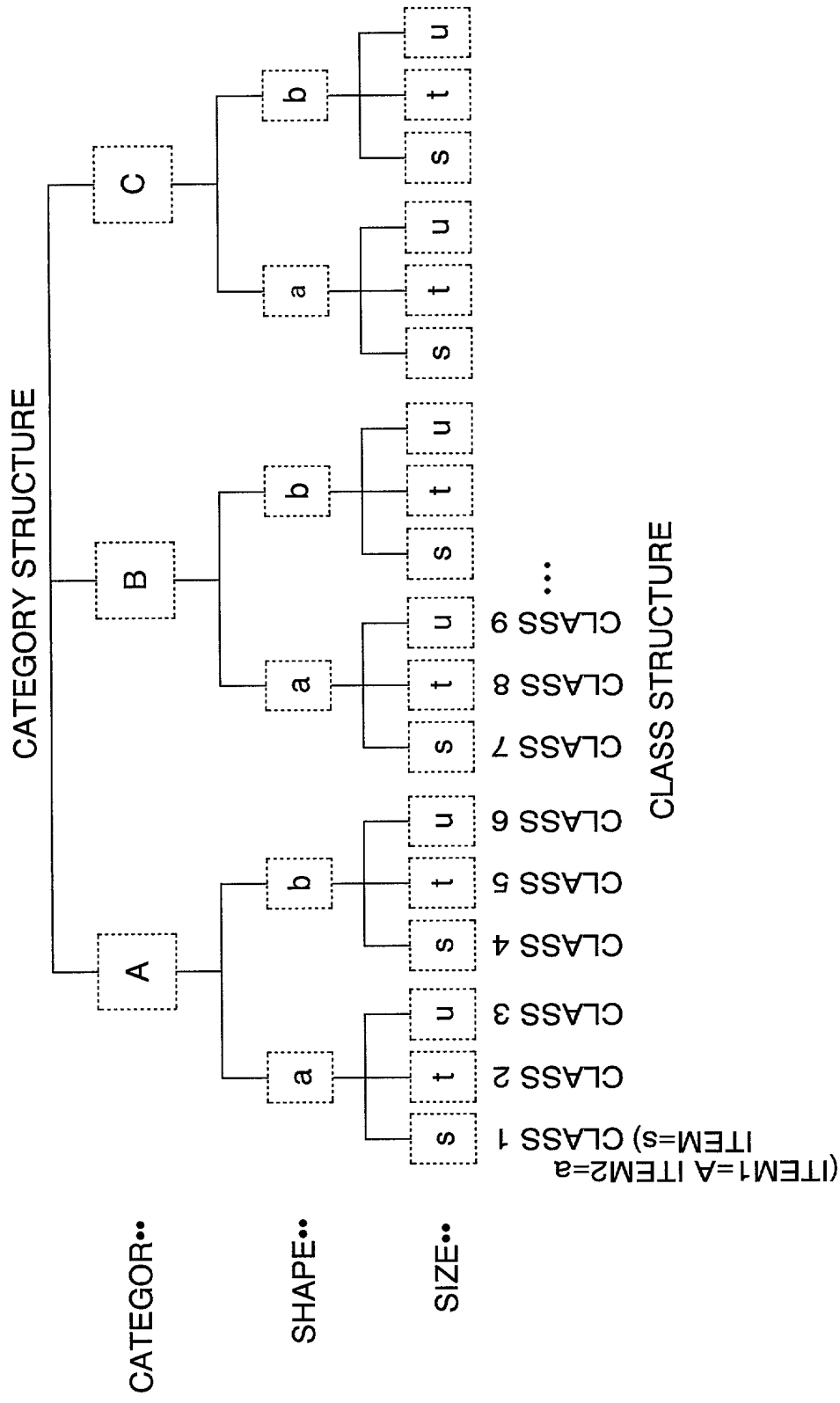


FIG. 5

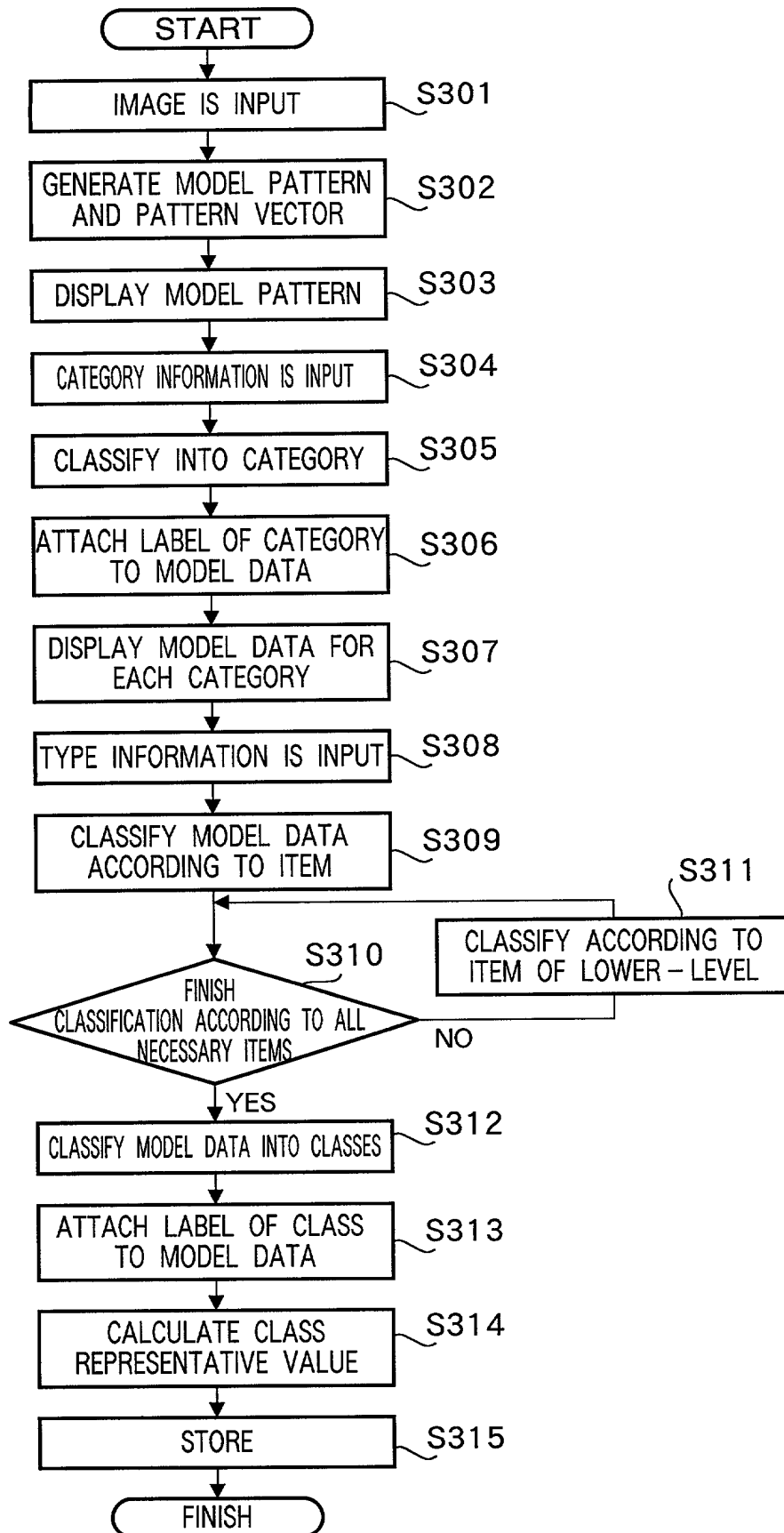


FIG. 6

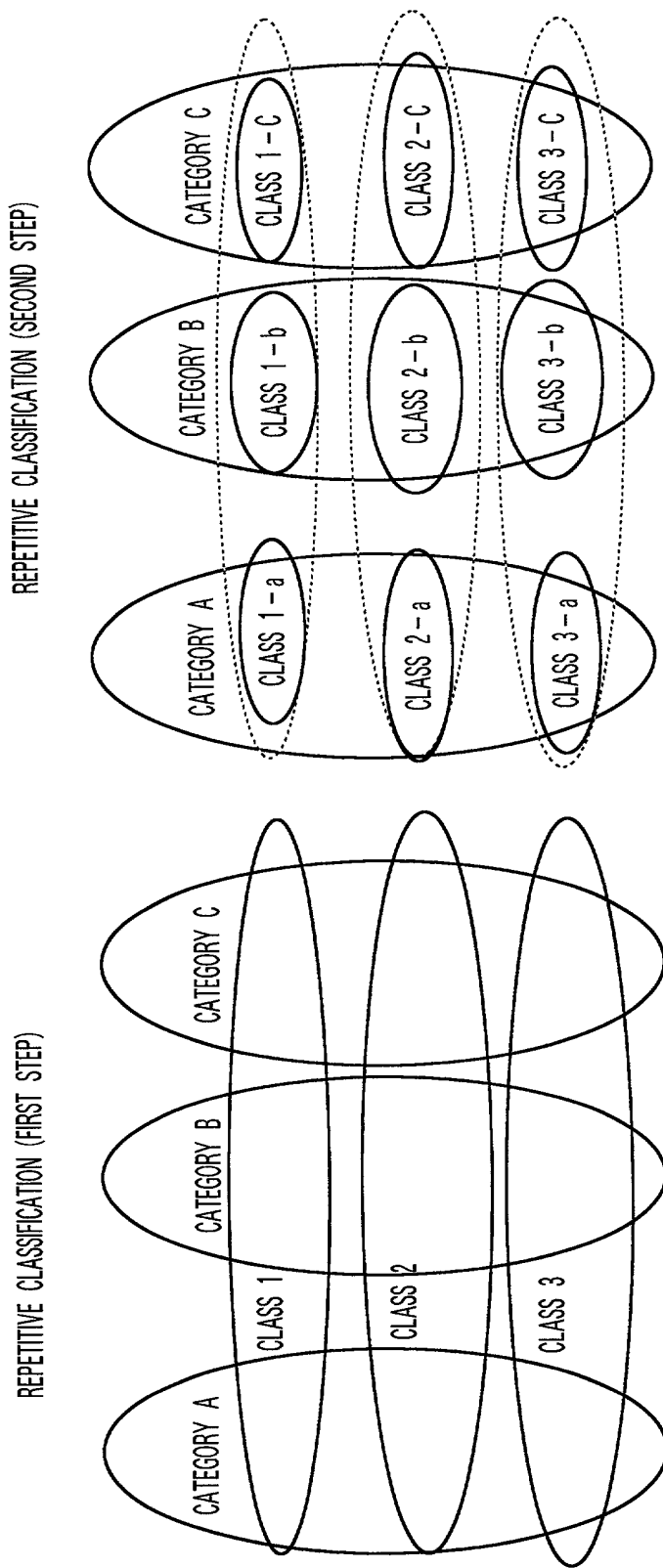


FIG. 7

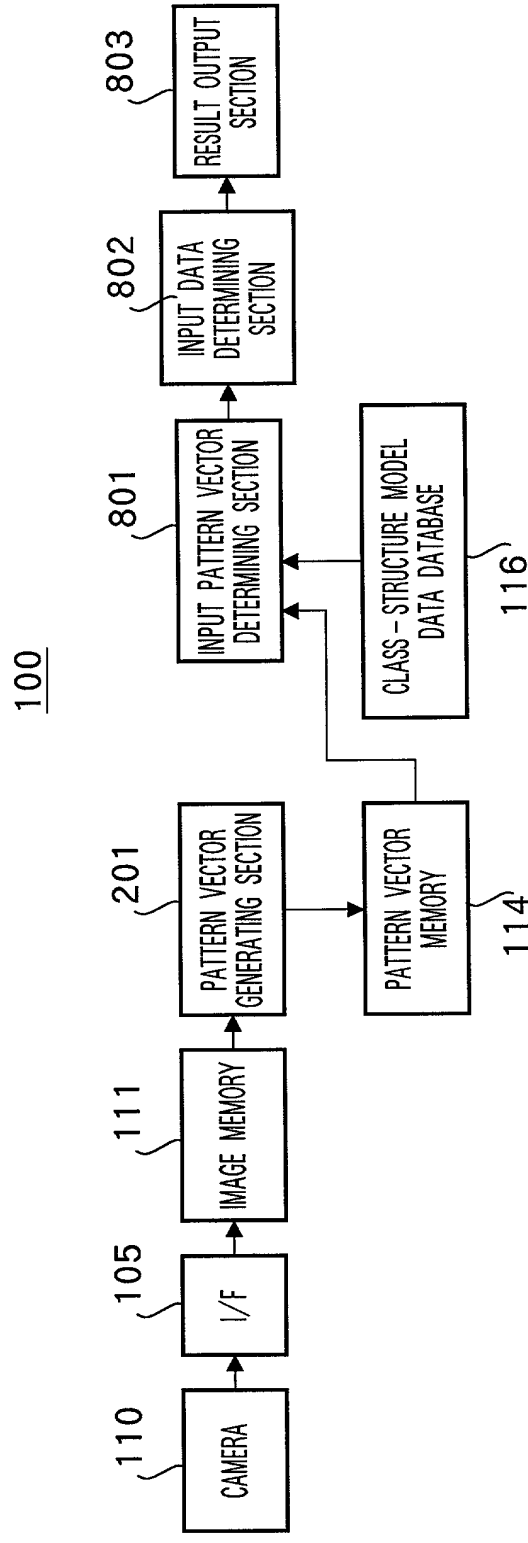


FIG. 8

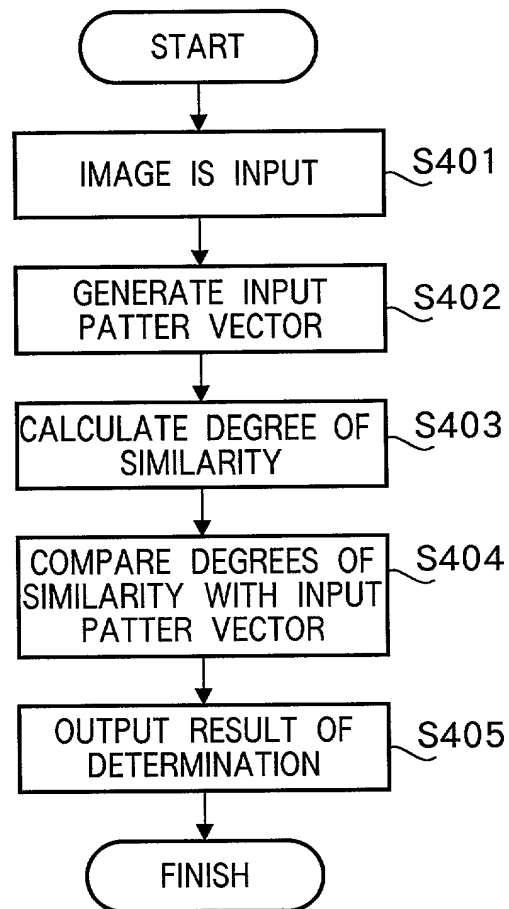


FIG. 9

1000

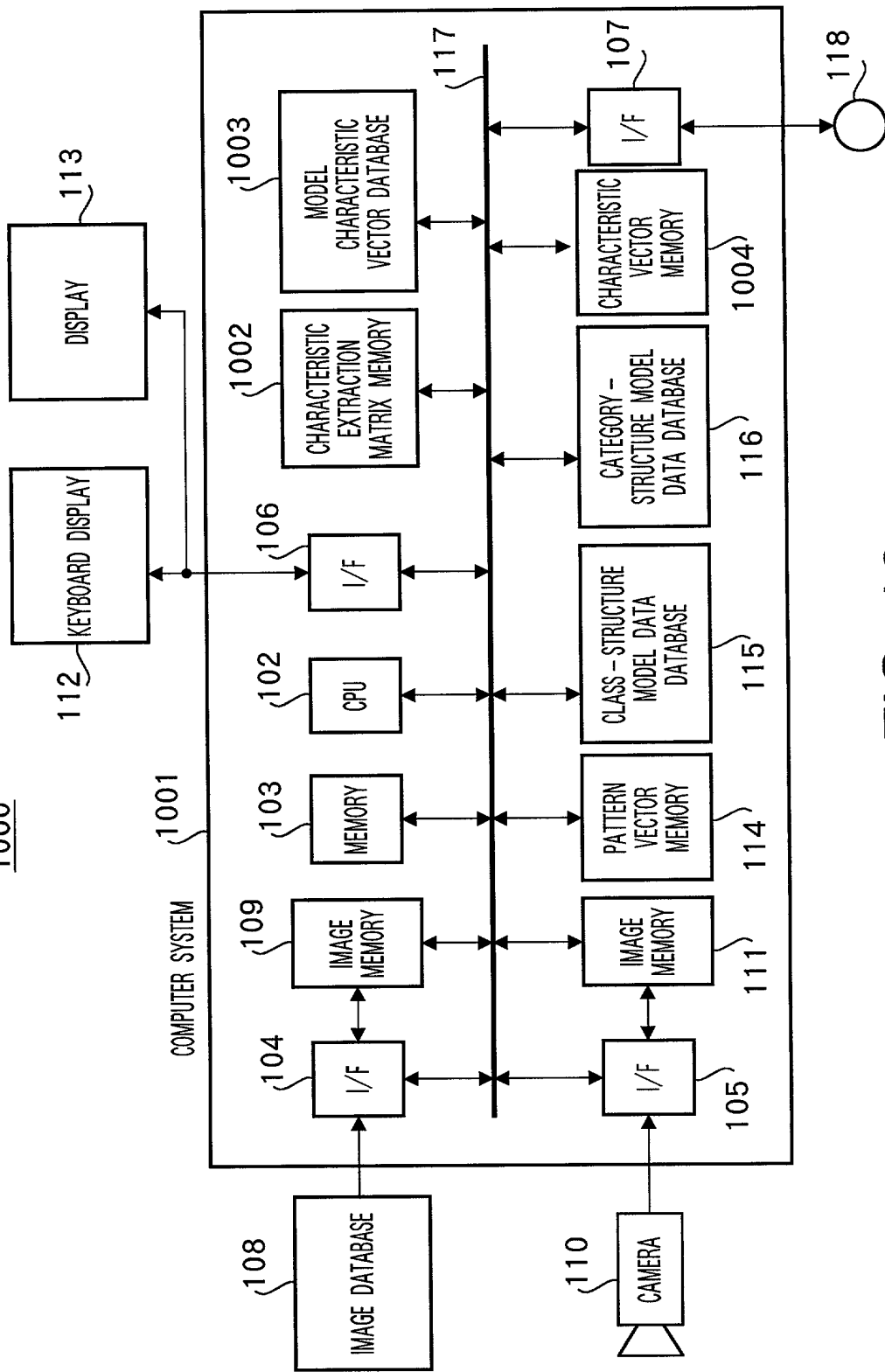


FIG. 10

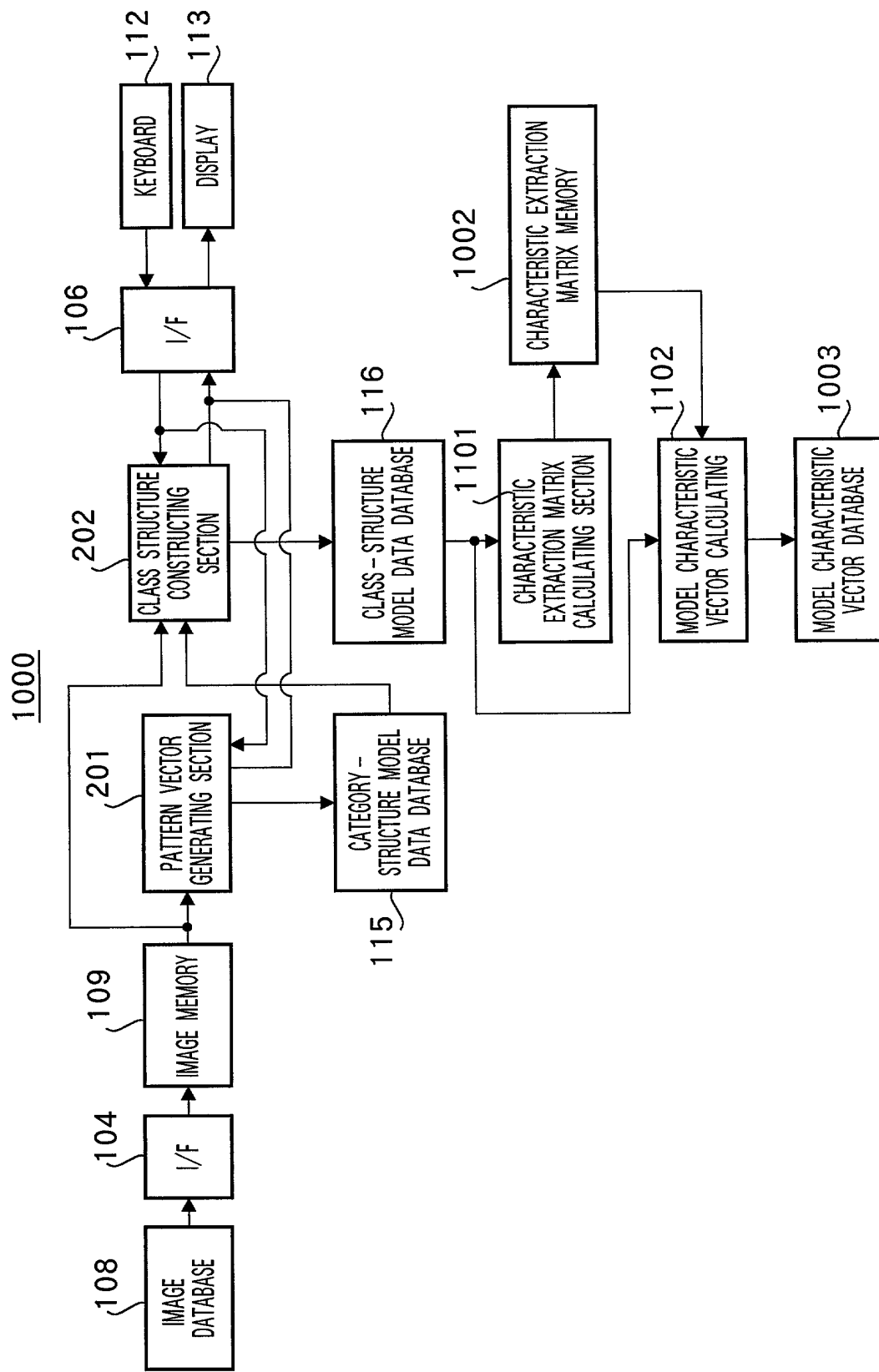


FIG. 11

1003

501 CLASS	1201 MODEL CHARACTERISTIC VECTOR	1202 REPRESENTATIVE VALUE
1	○○○, ×××, △△△	□□□
2	○×△ ×○△ △○×	×××
⋮	⋮	⋮

FIG. 12

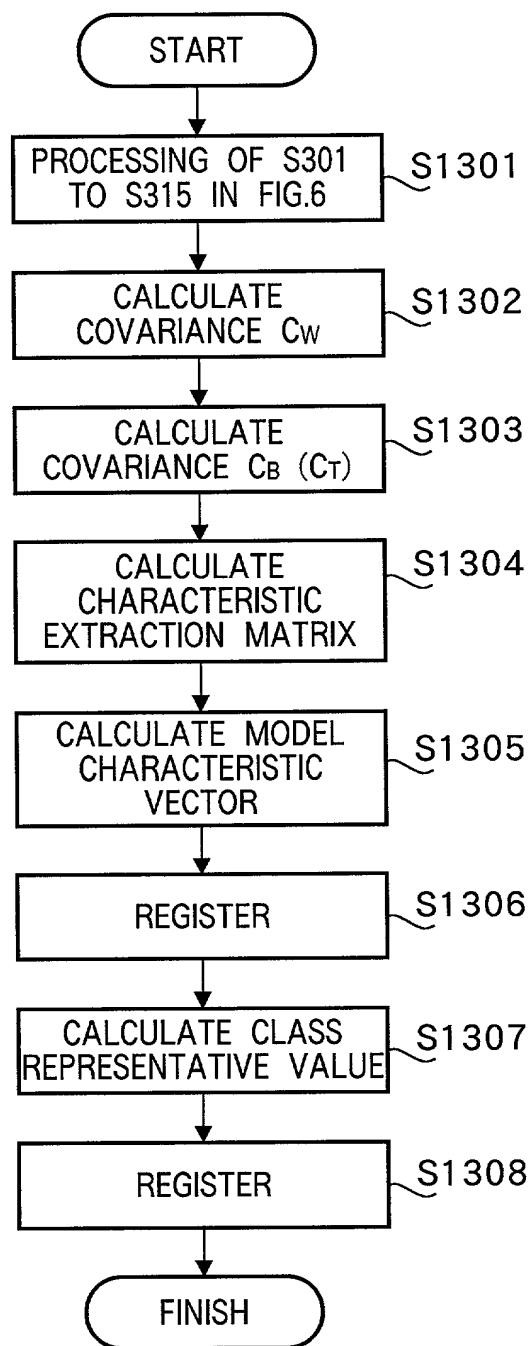
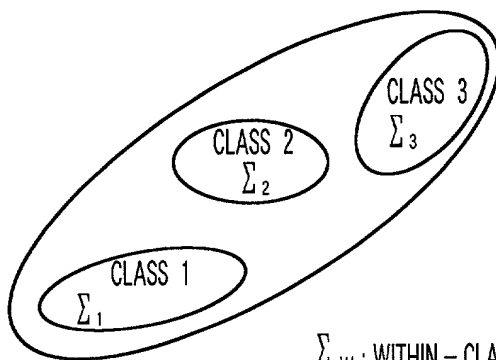


FIG. 13



Σ_w : WITHIN - CLASS VARIANCE = $E (\Sigma_1, \Sigma_2, \Sigma_3)$

Σ_T : TOTAL VARIANCE

DECREASE $\text{tr}(\Sigma_w \Sigma_T^{-1})$

FIG. 14

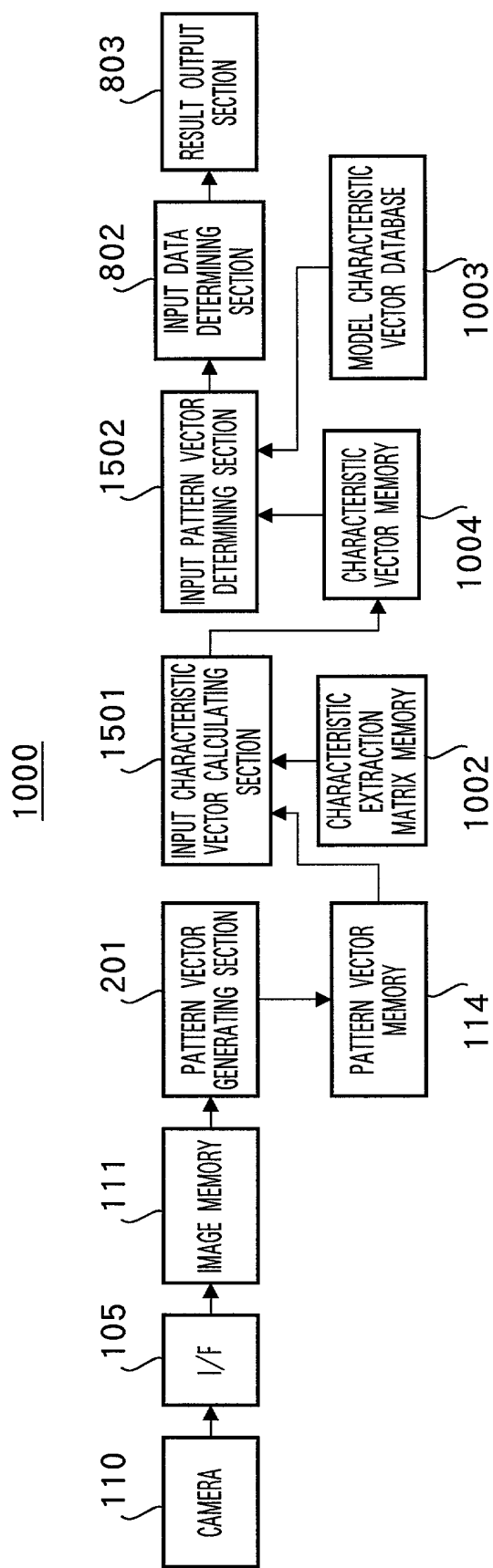


FIG. 15

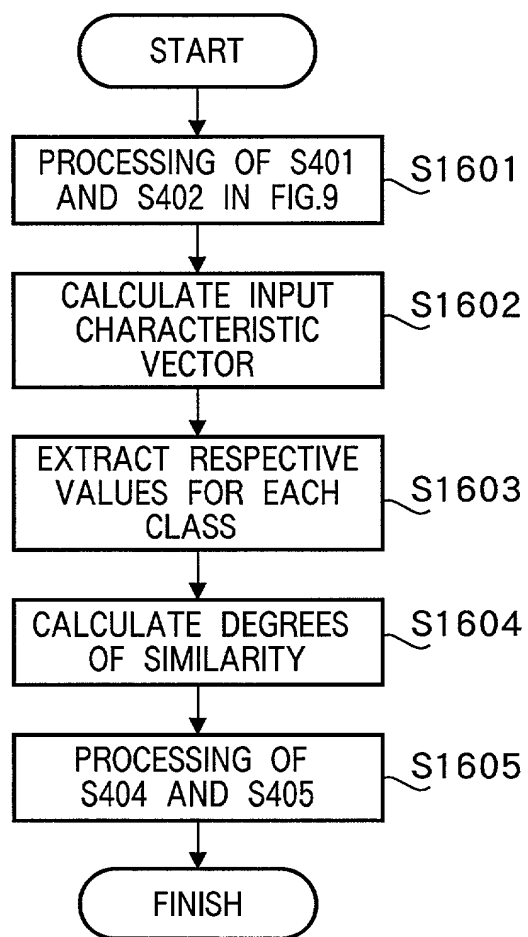


FIG. 16

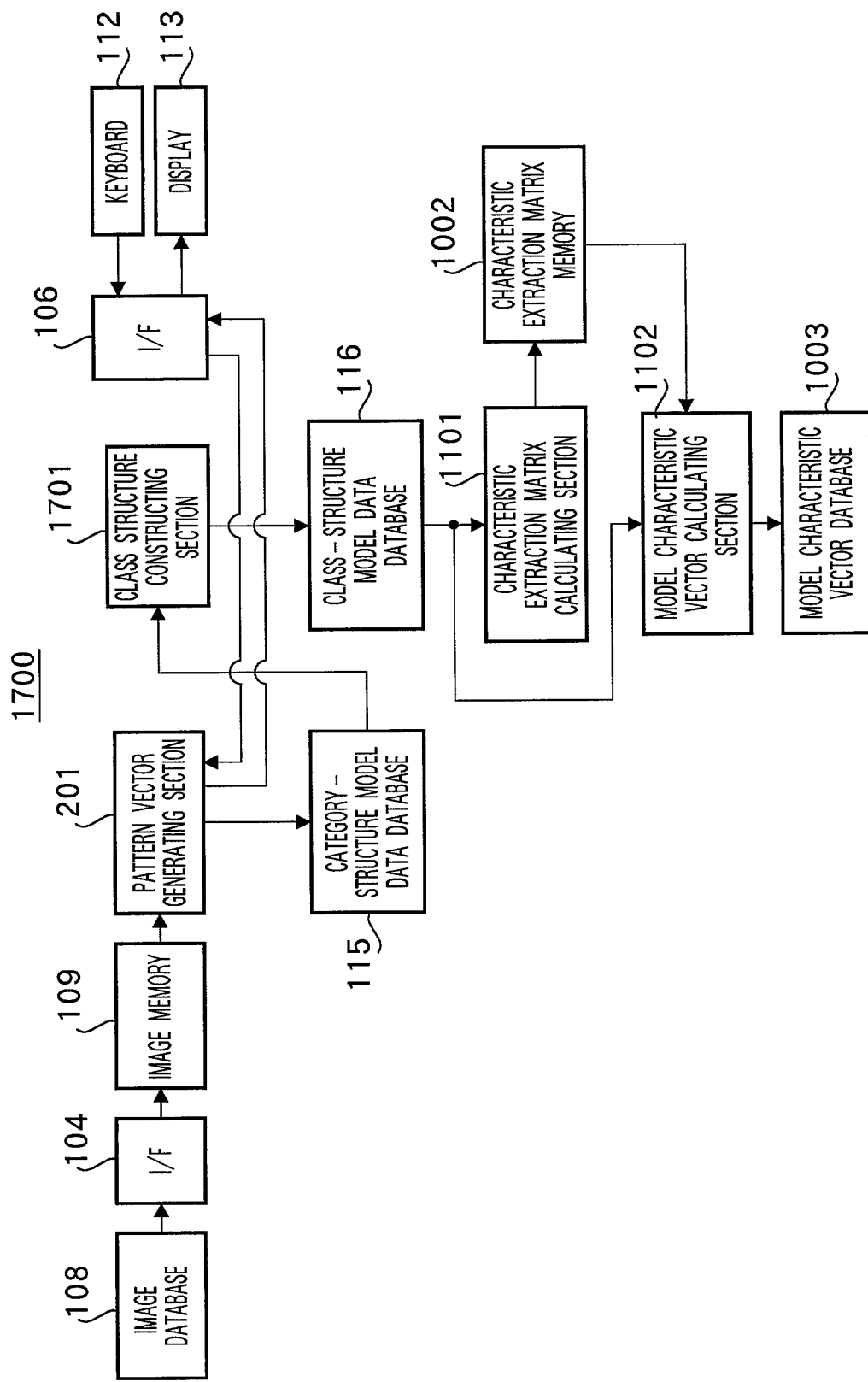


FIG. 17

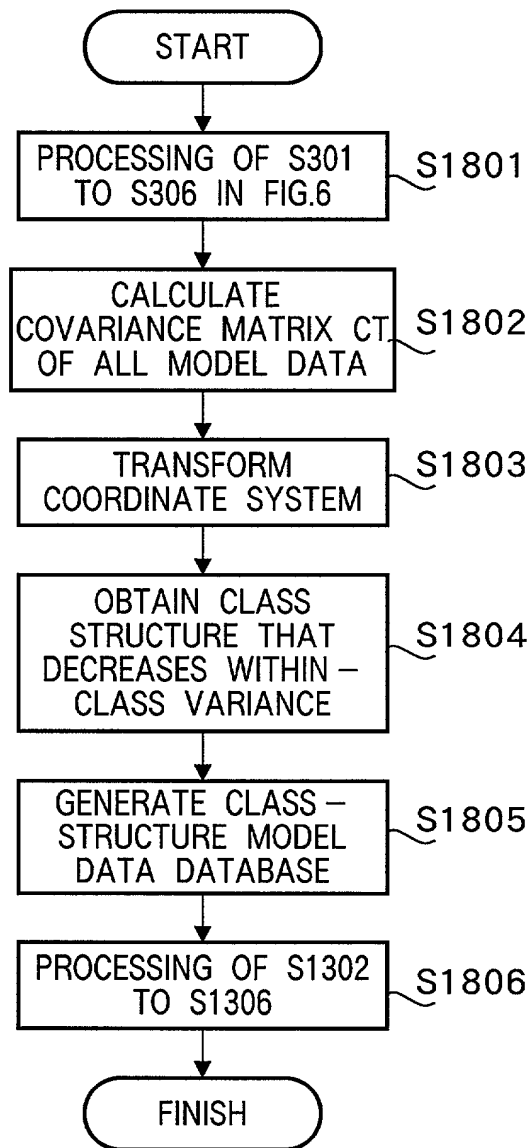


FIG. 18

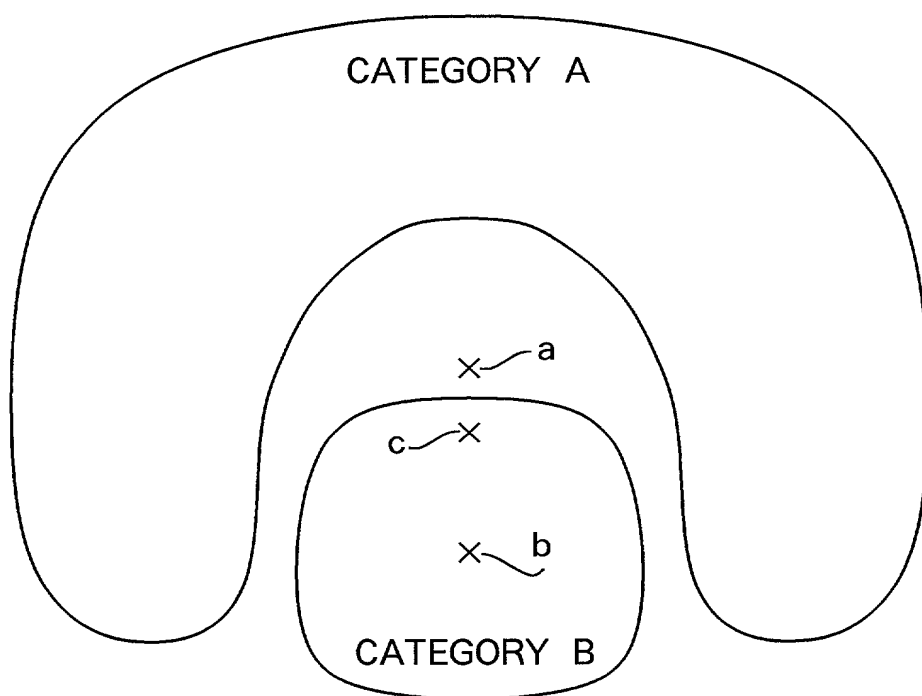


FIG. 19